MEASUREMENT BOOK

MAIN-BILL:-

Date	Full description, etc, of work	Dimensions				Contents	*Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item-No.01:-	Dismantling of cement concrete pavement by mechanical means using pneumatic tools, breaking to pieces not exceeding 0.02 cum in volume and stock pilling at designated locations and disposal of dismantled materials stacking serviceable and unserviceable materials separately etc, complete as per specifications, Qty vide page no. 4944/494331 → At the rate of Rs. 915.00 →					231·19 cum 201·18	184080/- ~~211538·85~~
Item-No.02:-	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2m and an average lift upto 0.5m, excavated surface levelled and sides neatly dressed the disposed earth to be levelled neatly after breaking of clods etc, complete as per specifications.						

Serial No. ....

Name of Work ....

Name of Contractor of nature of Agency ....

Date of commencement of work ....

Date	Full description, etc, of work
1	2
	Qty vide page no. At the rate of Rs.
Item No.03:-	construction lead, transporting to -ng to meet requirement Qty vide page no. At the rate of Rs.
Item No.04:-	Providing, lay aggregates of granite

BOOK

ons			
readth 5	Depth 6	Contents 7	*Reference to last Measurement 8

vement by mechanical means
eces not exceeding 0.02 cum
ted locations and disposal
eable and unserviceable
er specifications,
231.19 cum
201.18
184080-
~~211538.85~~

means in ordinary soil
upto 2m and an average
led and sides neatly dressed
lly after breaking of clods

M. A. R. 57 (Rule 116)
Measurement Book

No. B 494337

Serial No. ....

Name of Work .... From.............................. To..............................

Name of Contractor of nature of Agency ....

Date of commencement of work ....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Qty vide page no.	4944	494333 →		456.64 cum		
	At the rate of Rs.	190.00 →			329.63		86761.60 62516-
	Item No.03:- construction of embankment with material gravel / murrum with all lead, transporting to site, spreading, grading to required slope and compacti-ng to meet requirement. complete as per specifications.						
	Qty vide page no.	4944	494334 →		346.75 cum		63570-
	At the rate of Rs.	300.00 →			211.90		104025.00
	Item No.04:- Providing, laying, spreading and compacting crushed stone aggregates of granite/trap/basalt to wet-mix-macadam specifications						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions Number 3	 Length 4	 Breadth 5	 Depth 6	Contents 7	*Reference to last Measuremen 8
	including pre-mixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density etc, complete as per specifications,						
	Qty vide page no. 494/494334 →			123.04 cum			160650
	At the rate of Rs. 1700.00 →				94.50		209168.00
Item No.05:-	Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @ 180 kgs with 40mm and down size graded granite metal coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15 cms, thick, well compacted, in foundation and plinth						

Serial No. ....

Name of Work ....

Name of Contractor of nature of Agenc

Date of commencement of work ....

Date 1	Full description, etc, of work 2
	including cost of al
	as per specifications
	Qty vide page
	At the rate of
Item No.06:-	Providing
	etc, and removal of
	including attached
	of all materials, la

NT BOOK

ensions			
Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8

ith water at OMC in
ixed method of tipper to etc,
r in sub-base/base course
ting with vibratory rollers to
plete as per specifications,
→ 123.04 cum

160650-
209168.00
94.50

ion plain cement concrete of
with 40mm and down size
egates 20.85 cum and fine
, concrete laid in layers not
ed , in foundation and plinth

M. A. R. 57 (Rule 116)
Measurement Book

No. B 494338

Serial No. ....
Name of Work .... From................................ To.................................
Name of Contractor of nature of Agency ....
Date of commencement of work ....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8

including cost of all materials, labour, HOM of machinery, curing etc, complete as per specifications and directions of engineer-in-charge,

Qty vide page. no. 4944/494335 → 175.13 cum

794650-

At the rate of Rs. 5000.00 → 158.93 ~~94.50~~

875650.00

Item.No.06:- Providing and removing, centering, shuttering, strutting, propping etc, and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour etc,

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	*Reference to last Measurement 8
	Qty vide page no.	4944	494336 →		167.40 sqm		136080
	At the rate of Rs. 300.00 →		198.08		~~453.60~~		50220.00 59424
Item No. 07 :-	Construction of un-reinforced plain cement concrete pavement, thickness as per design, over a prepared sub base with OPC cement or any other type as per clause 1051.2.2 design mix M20/M30, with 25mm and down size graded granite metal coarse aggregates and fine aggregates.,						
	Road-work:-						
	Janatha colony [road towards burial ground]						
	Ch 0-15	01	15.0	5.60	0.12	= 10.08	
	15-30	01	15.0	5.55	0.12	= 9.99	
	30-45	01	15.0	5.05	0.12	= 9.09	

29.16

Serial No. ....

Name of Work ....

Name of Contractor of nature of Agenc

Date of commencement of work ....

Date 1	Full description, etc, of work 2
	45-5
	60-62
	tempapura gramata
	1st cross road: 0-60
	2nd cross road: 0-70
	3rd cross road: 0-80
	Qty ltd to
	At the rate of R

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Dimensions gth	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
94336 →		167.40 sqm		136080
198.08		~~453.60~~		50220.00 59424
plain cement concrete pavement,				
ered sub base with OPC cement				
51.2.2 design mix M20 | M30,				
d granite metal coarse				
,				
ial ground]				
0	5.60	0.12	= 10.08	
0	5.55	0.12	= 9.99	
0	5.05	0.12	= 9.09	

29.16.

M. A. R. 57 (Rule 116)
Measurement Book

No. B 494339

Serial No. ....
Name of Work .... From.................................. To.....................................
Name of Contractor of nature of Agency ....
Date of commencement of work ....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 29.16 7	Reference to last Measurement 8
	45-58	01	13.0	4.85	0.12	= 7.57	
	60-62	01	2.0	4.95	0.12	= 1.19	
	Ch.F.C. 2/08					37.92 cum.	
	[illegible]						
	tempapura gramatana:						
	1st cross road: 0-60	01	60.0	4.0	0.12	= 28.80	
	2nd cross road: 0-70	01	70.0	4.0	0.12	= 33.60	
	3rd cross road: 0-80	01	80.0	4.0	0.10	= 32.00	
	Ch.F.C. 2/08					094.40 cum	
	[illegible]		127.14	Total	=	132.32 cum	6 67485-
	Qty ltd to: 127.14 cum						
	At the rate of Rs.	5250.00	→				735525.00
							135525.00

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	*Reference to last Measuremen 8
Item No.08:-	Vaccum-de-watering with vaccum pump and suction mat and compaction with skin floater clubbed with floating disc, Janatha colony.[road towards burial ground]						
	0-15	01	15.0	5.60	-	= 84	
	15-30	01	15.0	5.30	-	= 83.25	
	30-45	01	15.0	4.80	-	= 75.75	
	45-58	01	13.0	4.90	-	= 63.05	
	60-62	01	2.0	5.0	-	= 9.90	
						315.95 sqm	
	Kempapura gramatana:-						
	1st cross road: 0-60	01	60.0	4.0	-	= 240.0	
	2nd cross road: 0-70	01	70.0	4.0	-	= 280.0	

835.95

Serial No. ....

Name of Work ....

Name of Contractor of nature of Agency ....

Date of commencement of work ....

Date 1	Full description, etc, of work 2	Nu
	3rd cross road: 0-80	0
	Qty Ltd-10	1059.
	At the rate of Rs.	9

CGH
2/8/18

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Pali
Bangalore - 560 092

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sions Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
pump and suction mat bed with floating disc, al ground]			
5.60	-	= 84	
5.30	-	= 83.25	
4.80	-	= 75.75	
4.90	-	= 63.05	
5.0	-	= 9.90	
		315.95 sqm	
4.0	-	= 240.0	
4.0	-	= 280.0	

835.95

M. A. R. 57 (Rule 116)
Measurement Book

No. B 494340

Serial No. ....

Name of Work .... From.................................. To...

Name of Contractor of nature of Agency ....

Date of commencement of work ....

Date 1	Full description, etc, of work 2	Dimensions Number 3	 Length 4	 Breadth 5	 Depth 6	Contents 835.95 7	Reference to last Measurement 8
	3rd cross road: 0-80	01	80.0	4.0	-	= 320.00	
						840.0 sqm	
				Total=		1155.95 sqm	97474-
	Qty Ltd-10 1059.50 sqm.				1059.50.		106347.40
	At the rate of Rs. 92.00 →						
					Total=	2379235.85	
							Rs. 2166504-
	CGfe 2/8/18 Assistant Executive Engineer Kodigehalli Sub Division Bruhat Bangalore Mahanagara Palike Bangalore - 560 092					N.D AE (W7) 02/08/18	

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	*Reference to last Measurement 8
	Royalty charges:						
Sl. No.	Details	coarse. Agr coeff	Qty	Fine. Agr Coeff	Qty:		
04.	WMM = 123.04 cum	1.0	123.04	[illegible]	-		
05.	1:4:8 = 175.13 cum	0.96	168.12	0.48	84.06		
07.	Ce = 140.10 cum.	0.90	126.09	0.45	63.04		
	Total=		417.25		147.10		

Abstract:-

1) coarse aggregate: 417.25 x 108 = 45063.00

2) fine aggregate: 147.10 x 103 = 15151.30

60214.30

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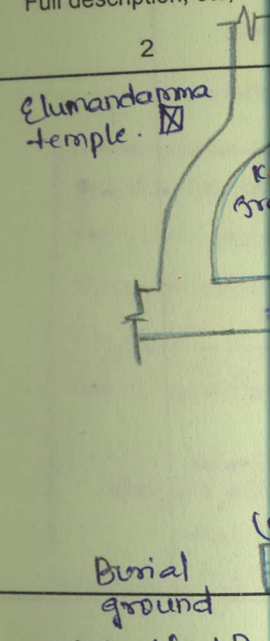
Date 1	Full description, etc, of 2
	Elumandamma temple. ☒



N.D
AE(

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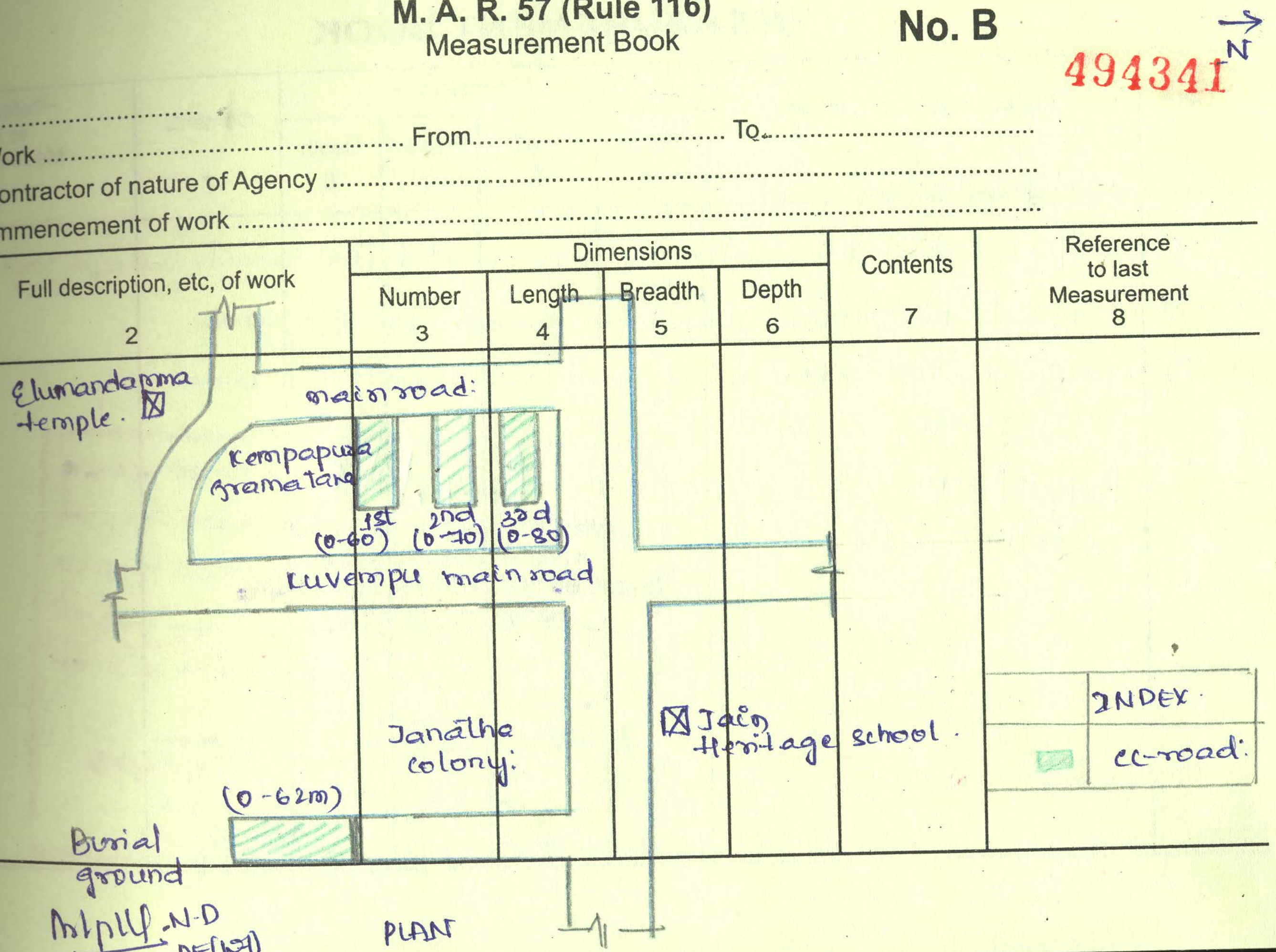
ensions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8
Fine-Agr. coeff	Qty:		
[illegible]	-		
0.48	84.06		
0.45	63.04		
	147.10		
3.00			
1.30			
4.30			

M. A. R. 57 (Rule 116)
Measurement Book

No. B 494341

erial No. ....
ame of Work .... From.............................. To..............................
ame of Contractor of nature of Agency ....
ate of commencement of work ....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8



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PLAN

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	certificate:-						
1)	certified that the contractor has completed the work satisfactorily						
2)	certified that debris has been removed from the spot.						
3)	certified that above said work not considered under any other grants.						

N.D
AE(W1)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

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erial No. ....
ame of Work ....
ame of Contractor of nature of Agency ....
ate of commencement of work ....

Date	Full description, etc, of work
1	2

ಮೊಬಲಗು ರೂ
ಮಾಡಿದೆ : ಇದರಲ್ಲಿ
ಮಾಡಿಕೊಂಡು
Rs: Nineteen Lakh
thousand seven hu
ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ
ಲೆಕ್ಕಾಧೀಕ್ಷಕರು
1/8

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sions			Reference to last Measurement
Breadth 5	Depth 6	Contents 7	8

mpleted the work satisfactorily
d from the spot.
considered under any

xecutive Engineer
alli Sub Division
ore Mahanagara Palike
lore - 560 092

M. A. R. 57 (Rule 116)
Measurement Book

494342

Serial No. ....
Name of Work .... From.............................. To..........................
Name of Contractor of nature of Agency ....
Date of commencement of work ....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8

ಒಟ್ಟು ಮೊಬಲಗು ರೂ 2089849-00
ಗ[illegible], ಖಾತೆ ಮಾಡಿದೆ : ಇದರಲ್ಲಿ ರೂ 94100-00
1995749-
ಹೊಂದಾಣಿಕೆ ಮಾಡಿಕೊಂಡು ಉಳಿದ ಮೊಬಲಗು
ರೂ: Nineteen Lakh Ninety Five
thousand seven hundred ~~and~~ forty nine only
ಚೆಕ್ ಮುಖಾಂತರ ನೀಡಲಾಗಿದೆ

ಲೆಕ್ಕಾಧೀಕ್ಷಕರು

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Total Rs: 20,89,849-00

IT - 20898-00
CCU - 20898-00
CBF - 2090-00
LR - 50214-00

Adju. 94100-00

Cheque: 1995749=00